I hereby certify that this correspondence is being delivered by FedEx delivery service to:

Attorney Docket No.: 18781-003910

Client Ref. No.: T99-018-1

U.S. Patent and Trademark Office 1911 South Clark Street Crystal Mall 1, 7th Floor Receptionist Arlington, VA 22202

on 5-15-02

RECEIVED

MAY 1 6 2002

TECH CENTER 1600/2900

TOWNSEND and TOWNSEND and CREW LLP

By: Standa Shaffer

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Holger Wesche, et al.

Application No.: 09/759,595

Filed: January 11, 2001

For: IRAK-4: COMPOSITIONS AND

METHODS OF USE

Examiner:

Murphy, Joseph F.

Art Unit:

1646

COMMUNICATION UNDER

37 C.F.R. §§ 1.821-1.825

<u>AND</u>

<u>AMENDMENT</u>

U.S. Patent and Trademark Office 1911 South Clark Street Crystal Mall 1, 7th Floor Receptionist Arlington, VA 22202

Sir:

In response to the Notice to Comply with Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures, 37 C.F.R. §§ 1.821-1.825 that accompanied the Office Communication mailed March 15, 2002, requesting a substitute computer readable form (CRF) of the Sequence Listing, Applicants submit herewith the required substitute computer readable copy of the Sequence Listing. Please amend the specification in adherence with 37 C.F.R. §§ 1.821-1.825 as follows.